Juniper Networks **NetScreen-204/208**

The Juniper Networks NetScreen-200 Series is one of the most versatile pair of security appliances available today. They easily integrate and secure many different network environments, including medium and large enterprise offices, e-business sites, data centers, and carrier infrastructure. Complete with either four or eight auto-sensing 10/100 Base-T Ethernet ports, the NetScreen-200 Series performs firewall functions at wire speed (375 Mbps on the NetScreen-204 and NetScreen-208). Even the most computationally intense applications, such as 3DES and AES encryption, are performed at speeds greater than 175 Mbps.

	Juniper Networks NetScreen-204[1]	Juniper Networks NetScreen-208[1]
Maximum Performance and Capacity[1]		
ScreenOS version support	ScreenOS 5.4	ScreenOS 5.4
Firewall performance	375 Mbps	375 Mbps
3DES + SHA-1 performance	175 Mbps	175 Mbps
Concurrent sessions	128,000[5]	128,000[5]
New sessions/second	11,500	11,500
Policies	4,000	4,000
Interfaces	4 10/100 Base-T	8 10/100 Base-T

	Juniper Networks NetScreen-200 Series[1]
Mode of Operation	
Layer 2 mode (transparent mode)(2)	Yes
Layer 3 mode (route and/or NAT mode)	Yes
NAT (Network Address Translation)	Yes
PAT (Port Address Translation)	Yes
Policy-based NAT	Yes
Virtual IP	4
Mapped IP	4,000
MIP/VIP Grouping	Yes
Users supported	Unrestricted
Firewall	
Number of network attacks detected	31
Network attack detection	Yes
DoS and DDoS protections	Yes
TCP reassembly for fragmented packet protection	Yes
Malformed packet protections	Yes
IPS (Deep Inspection FW)	Yes
Protocol anomaly	Yes
Stateful protocol signatures	Yes
Content Inspection	Yes
Embedded antivirus	No
Embedded Anti-spam	Yes
Malicious Web filtering	up to 48 URLs
External Web filtering (Websense or SurfControl)	Yes
Integrated Web filtering	No
Brute force attack mitigation	Yes
Deep Inspection (DI) attack pattern obfuscation	Yes
SYN cookie	Yes
Zone-based IP spoofing	Yes
VPN	
Concurrent VPN tunnels	Up to 1,000
Tunnel interfaces	Up to 256
DES (56-bit), 3DES (168-bit) and AES encryption	Yes
MD-5 and SHA-1 authentication	Yes
Manual Key, IKE, PKI (X.509)	Yes
Perfect forward secrecy (DH Groups)	1,2,5
Prevent replay attack	Yes
Remote access VPN	Yes
L2TP within IPSec	Yes
Dead Peer Detection	Yes
IPSec NAT Traversal	Yes
Redundant VPN gateways	Yes
VPN tunnel monitor	Yes
Firewall and VPN User Authentication	
Built-in (internal) database - user limit	up to 1,500
3rd Party user authentication	RADIUS, RSA SecurID, 802.1x and LDAP
XAUTH VPN authentication	Yes
Web-based authentication	Yes

	Juniper Networks NetScreen-200 Series[1]
PKI Support	
PKI Certificate requests (PKCS 7 and PKCS 10)	Yes
Automated certificate enrollment (SCEP)	Yes
Online Certificate Status Protocol (OCSP)	Yes
Self Signed Certificates	Yes
Certificate Authorities Supported	
Verisign	Yes
Entrust	Yes
Microsoft	Yes
RSA Keon	Yes
iPlanet (Netscape)	Yes
Baltimore	Yes
DOD PKI	Yes
Logging/Monitoring	
Syslog (multiple servers)	External, up to 4 servers
E-mail (2 addresses)	Yes
NetIQ WebTrends	External
SNMP (v1, v2)	Yes
Standard and custom MIB	Yes
Traceroute	Yes
At session start and end	Yes
Virtualization	
Custom security zones	8, 4 on NetScreen-204
Virtual routers (VRs)	3
VLANs supported	32
Virtualization key	Optional upgrade: adds 10 security zones, 5 VRs, and 96 VLANs
Routing	
OSPF/BGP Dynamic routing	3 instances each
RIPv1/v2 Dynamic routing	Up to 8 instances
Static routes	4096
Source Based Routing, Source Interface Based Routing	Yes
Equal cost multi-path routing	Yes
High Availability (HA)	
Active/Active	Yes
Active/Passive	Yes
Redundant Interfaces	Yes
Configuration synchronization	Yes
Session synchronization for firewall and VPN	Yes
Session failover for routing change	Yes
Device failure detection	Yes
Link failure detection	Yes
Authentication for new HA members	Yes
Encryption of HA traffic	Yes
LDAP and RADIUS server failover	Yes
VoIP	
H.323 ALG	Yes
SCCP ALG	Yes
SIP ALG	Yes
MGCP ALG	Yes
NAT for H.323/SIP/SCCP/MGCP	Yes
IP Address Assignment	
Static	Yes
DHCP, PPPoE client	Yes
Internal DHCP server	Yes
DHCP Relay	Yes

	Juniper Networks NetScreen-200 Series[1]
RADIUS Accounting	
RADIUS Start/Stop	Yes
System Management	
WebUI (HTTP and HTTPS)	Yes
Command Line Interface (console)	Yes
Command Line Interface (telnet)	Yes
Command Line Interface (SSH)	Yes, v1.5 and v2.0 compatible
NetScreen-Security Manager	Yes
All management via VPN tunnel on any interface	Yes
SNMP Full Custom MIB	Yes
Rapid deployment	Yes
Administration	
Local administrators database	20
External administrator database	RADIUS/LDAP/SecurID
Restricted administrative networks	6
Root Admin, Admin, and Read Only user levels	Yes
Software upgrades	TFTP/WebUI/SCP/NSM
Configuration Roll-back	Yes
Traffic Management	
Guaranteed bandwidth	Yes
Maximum bandwidth	Yes
Ingress Traffic Policing	Yes
Priority-bandwidth utilization	Yes
DiffServ stamp	Yes
External Flash	
CompactFlash™	Supports 96, 128 or 512 MB Industrial Grade SanDisk
Event logs and alarms	Yes
System config script	Yes
ScreenOS software	Yes
Dimensions and Power	
Dimensions (H/W/L)	1.73/17.5/10.8 inches
Weight	8 lbs.
Rack mountable	19" standard, 23" optional
Power Supply (AC)	90 to 264 VAC, 45 watts
Power Supply (DC)	-36 to -72 VDC, 50 watts

Licensing Options: The NetScreen-204 and NetScreen-208 are both available with two licensing options to provide two different levels of functionality and capacity.

Advanced Models: The Advanced software license provides all of the features and capacities listed within this specsheet.

Baseline Models: The Baseline software license provides an entry-level solution for customer environments where features such as Deep Inspection™, OSPF and BGP dynamic routing, advanced High Availabilty, and full capacity are not critical requirements. The following table shows the features and capacities that are different than the Advanced models:

	NetScreen-204 Baseline	NetScreen-208 Baseline
Sessions	64,000	64,000
Concurrent VPN tunnels	500	500
Deep Inspection Firewall	N/A	N/A
VLANs	0*	0*
OSPF/BGP	N/A	N/A
High Availability (HA)	Active/Passive	Active/Passive
NetScreen Security Manager	Supported	Supported

*NetScreen-204/208 Baseline can be upgraded to include 96 VLANs, 5 additional virtual routers, and 10 additional security zones with purchase of an additional Virtualization Key.

Certifications

Safety Certifications

UL, CUL, CSA, CB, NEBS Level 3 (NetScreen-208 with DC power supply)

EMC Certifications

FCC class A, BSMI, CE class A, C-Tick, VCCI class A

Environment

Operational temperature: 23 to 122° F, -5 to 50° C

Non-operational temperature: -4 to 158° F, -20 to 70° C

Humidity: 10 to 90% non-condensing

MTBF (Bellcore model)

NetScreen-204: 6.8 years, NetScreen-208: 6.5 years

Security Certifications (Advanced models only)

Common Criteria: EAL4 and EAL4+

FIPS 140-2: Level 2

ICSA Firewall and VPN

Ordering Information

Product		Part Number
Juniper Networks NetScreen-208 w/ AC power supply		
NetScreen-208	US power cord	NS-208-001
NetScreen-208	UK power cord	NS-208-003
NetScreen-208	European power cord	NS-208-005
NetScreen-208	Japanese power cord	NS-208-007
Juniper Networks NetScreen-208 w/ DC power supply		
NetScreen-208	DC power	NS-208-001-DC
Juniper Networks NetScreen-204 w/ AC power supply		
NetScreen-204	US power cord	NS-204-001
NetScreen-204	UK power cord	NS-204-003
NetScreen-204	European power cord	NS-204-005
NetScreen-204	Japanese power cord	NS-204-007
Juniper Networks NetScreen-204 w/ DC power supply		
NetScreen-204	DC power	NS-204-001-DC
Juniper Networks NetScreen-200 Series Virtualization		
NetScreen-200 Virtualization Key		NS-200-VIRT

Virtualization Key adds 32 VLANs, 5 additional virtual routers, and 10 additional security zones. Only available with NetScreen ScreenOS 4.0.2 and later.

Baseline Products

NetScreen-208 BaselineUS power cord	NS-208B-001
NetScreen-208 BaselineUK power cord	NS-208B-003
NetScreen-208 BaselineEuropean power cord	NS-208B-005
NetScreen-208 BaselineJapanese power cord	NS-208B-007
NetScreen-204 BaselineUS power cord	NS-204B-001
NetScreen-204 BaselineUK power cord	NS-204B-003
NetScreen-204 BaselineEuropean power cord	NS-204B-005
NetScreen-204 BaselineJapanese power cord	NS-204B-007

(1) Performance, capacity and features listed are based upon systems running ScreenOS 5.4 and are the measured maximums under ideal testing conditions unless otherwise noted. Actual results may vary based on ScreenOS release and by deployment.

(2) The following features are not supported in Layer 2 (transparent mode): NAT, PAT, policy based NAT, virtual IP, mapped IP, VLANs, OSPF, BGP, RIPv2, Active/Active HA, and IP address assignment.

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110004-009 Dec 2006